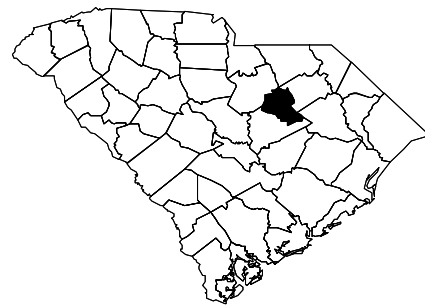


# IMPACT OF CHRONIC CONDITIONS LEE County, 2002



In the year 2002, the leading causes of death among South Carolinians were heart disease, cancer, stroke, a chronic lower respiratory disease, diabetes, Alzheimer's disease, pneumonia and influenza, nephritis, nephrosis and septicemia. This report focuses on the chronic conditions of the population of Lee county, as well as to the overall chronic conditions of the population of South Carolina as a whole.

The distribution of Lee county's population is similar to the state population. The majority (40%) of the population in Lee county are between the ages of 18-44, and there is an equal distribution of males and females. However, Lee county has a higher minority population (65%) than the state (32%). When adults in Lee county were asked about their general health status, 53.6% reported having excellent, very good, or good health in 2002 (SC was 83%).

	LEE COUNTY	STATE
<b>Population size</b>	20,450	4,1
<b>Age distribution (%)</b>		
<18	24	
18-44	40	
45-64	24	
65-84	11	
85+	1	
<b>Race (%)</b>		
White	35	
Black & Other	65	
<b>Sex (%)</b>		
Male	50	
Female	50	

In spite of the overall reports of good health given by the citizens of the Palmetto State, chronic conditions have an impact on the health of many South Carolinians. Through primary and secondary prevention we hope to identify factors that contribute to the major chronic diseases and leading causes of death among South Carolinians.

The chart below contains the risk factors that contribute to an increased risk of developing a chronic condition. Some factors are related to the major causes of morbidity and mortality among South Carolinians. Some common factors that contribute to the leading causes of death are smoking, sedentary lifestyle, obesity, and high cholesterol. The prevalence of these risk factors from the 2002 South Carolina Behavioral Risk Factor Surveillance System survey are listed in the table below for Lee county.

RISK FACTOR	COUNTY (%)	STATE (%)
Current smoking	28	27
Sedentary lifestyle	38	42
Consuming less than 5 vegetables/fruit per day*	#REF!	#REF!
High Cholesterol	10	8

Some preventive measures such as immunization were included in the 2002 SC BRFSS. For persons age 6 South Carolina:

30.6% have not received the flu shot in the past 12 months

35.1% have never had the pneumonia vaccination

Hospital/ED data in the following tables include ONLY those cases treated in SC hospitals. Cases treated outside of SC are NOT included.

HYPERTENSION	County				
	Total	Blacks	Whites	Males	Females
Prevalence (%)	26.6	.	.	.	.
Number of hospitalizations	39	32	7	11	28
Standard rate of hospitalizations (per 100,000)	190	290	74	153	243
Median age of hospitalized patients	58	53	78	53	58
Total cost of hospitalization (\$)	602,600	543,200	59,400	125,300	477,300
Average length of hospital stay (days)	5	5	3	4	6
Number of ED visits	37	30	7	19	18
Standard rate of ED visits (per 100,000)	182	249	80	204	154
Median age of ED patients	53	48	65	50	53
Total cost of ED visits (\$)	38,200	31,300	6,900	22,900	15,300
Number of deaths*	4	3	1	1	3
Standard death rate (per 100,000)*	19	28	10	10	26

HEART DISEASE	County				
	Total	Blacks	Whites	Males	Females
Prevalence (%)	3.7	.	.	.	.
Number of hospitalizations	124	46	78	58	66
Standard rate of hospitalizations (per 100,000)	599	411	812	635	556
Median age of hospitalized patients	63	63	63	63	63
Total cost of hospitalization (\$)	3,393,200	1,603,400	1,789,800	1,741,600	1,651,600
Average length of hospital stay (days)	4	5	4	4	5
Number of ED visits	13	3	10	7	6
Standard rate of ED visits (per 100,000)	64	27	110	69	51
Median age of ED patients	63	63	58	58	68
Total cost of ED visits (\$)	35,500	18,000	17,500	25,000	10,500
Number of deaths*	49	23	26	25	24
Standard death rate (per 100,000)*	244	213	270	327	180

STROKE	County				
	Total	Blacks	Whites	Males	Females
Prevalence (%)	2.05	.	.	.	.
Number of hospitalizations	86	54	32	48	38
Standard rate of hospitalizations (per 100,000)	418	488	344	590	316
Median age of hospitalized patients	68	68	68	68	73
Total cost of hospitalization (\$)	1,549,100	1,067,800	481,300	861,900	687,200
Average length of hospital stay (days)	6	7	5	6	7
Number of ED visits	13	8	5	5	8
Standard rate of ED visits (per 100,000)	64	70	52	45	61
Median age of ED patients	68	63	68	68	68
Total cost of ED visits (\$)	32,600	20,000	12,600	11,700	20,900
Number of deaths*	20	11	9	7	13
Standard death rate (per 100,000)*	103	111	92	113	95

CHRONIC OBSTRUCTIVE PULMONARY DISEASE	County				
	Total	Blacks	Whites	Males	Females
Number of hospitalizations	76	45	31	36	40
Standard rate of hospitalizations (per 100,000)	378	366	353	370	373
Median age of hospitalized patients	53	40	70	43	55
Total cost of hospitalization (\$)	877,900	517,500	360,400	437,300	440,600
Average length of hospital stay (days)	3	3	4	3	4
Number of ED visits	208	167	41	93	115
Standard rate of ED visits (per 100,000)	1,036	1,262	570	908	1,150
Median age of ED patients	23	18	43	13	28
Total cost of ED visits (\$)	233,200	179,700	53,500	109,100	124,100
Number of deaths*	6	2	4	4	2
Standard death rate (per 100,000)*	30	21	41	53	16

DIABETES	County				
	Total	Blacks	Whites	Males	Females
Prevalence (%)	10.1	.	.	.	.
Number of hospitalizations	51	44	7	25	26
Standard rate of hospitalizations (per 100,000)	248	396	87	296	236
Median age of hospitalized patients	53	53	53	48	53
Total cost of hospitalization (\$)	734,700	658,000	76,700	421,400	313,300
Average length of hospital stay (days)	6	6	5	6	5
Number of ED visits	68	58	10	28	40
Standard rate of ED visits (per 100,000)	326	503	101	266	350
Median age of ED patients	53	53	48	50	53
Total cost of ED visits (\$)	58,900	47,900	11,000	23,600	35,300
Number of deaths*	12	9	3	1	2
Standard death rate (per 100,000)*	60	85	36	47	32

ALL CANCERS	County				
	Total	Blacks	Whites	Males	Females
Number of hospitalizations	159	114	45	70	89
Standard rate of hospitalizations (per 100,000)	759	963	465	772	818
Median age of hospitalized patients	58	53	63	63	53
Total cost of hospitalization (\$)	3,825,800	2,563,500	1,262,300	1,824,400	2,001,400
Average length of hospital stay (days)	6	6	7	7	5
Number of deaths*	41	25	16	27	14
Standard death rate (per 100,000)*	199	244	155	325	112

COLORECTAL CANCER	County				
	Total	Blacks	Whites	Males	Females
Number of hospitalizations	.	.	.	.	.
Standard rate of hospitalizations (per 100,000)	28	53	.	20	35
Median age of hospitalized patients	63	63	.	63	63
Total cost of hospitalization (\$)	222,100	222,100	.	41,200	180,900
Average length of hospital stay (days)	8	8	.	5	9
Number of deaths*	3	3	-	2	1
Standard death rate (per 100,000)*	15	30	-	25	7

BREAST CANCER	County				
	Total	Blacks	Whites	Males	Females
Number of hospitalizations	.	.	.	.	.
Standard rate of hospitalizations (per 100,000)	24	17	36	.	47
Median age of hospitalized patients	48	48	48	.	48
Total cost of hospitalization (\$)	101,600	45,000	56,600	.	101,600
Average length of hospital stay (days)	3	3	3	.	3
Number of deaths*	2	1	1	-	2
Standard death rate (per 100,000)*	10	9	9	-	16

CERVICAL CANCER	County				
	Total	Blacks	Whites	Males	Females
Number of hospitalizations	.	.	.	.	.
Standard rate of hospitalizations (per 100,000)	4	7	.	.	9
Median age of hospitalized patients	53	53	.	.	53
Total cost of hospitalization (\$)	61,900	61,900	.	.	61,900
Average length of hospital stay (days)	16	16	.	.	1
Number of deaths*	1	-	-	1	5
Standard death rate (per 100,000)*	10	-	-	7	20

LUNG CANCER	County				
	Total	Blacks	Whites	Males	Females
Number of hospitalizations	13	6	7	10	3
Standard rate of hospitalizations (per 100,000)	62	59	72	108	24
Median age of hospitalized patients	68	68	68	68	78
Total cost of hospitalization (\$)	531,700	152,200	379,500	456,700	75,000
Average length of hospital stay (days)	10	10	11	10	12
Number of deaths*	17	8	9	12	5
Standard death rate (per 100,000)*	83	81	86	153	41

PROSTATE CANCER	County				
	Total	Blacks	Whites	Males	Females
Number of hospitalizations	10	6	4	10	.
Standard rate of hospitalizations (per 100,000)	48	59	38	122	.
Median age of hospitalized patients	73	68	75	73	.
Total cost of hospitalization (\$)	175,000	125,900	49,100	175,000	.
Average length of hospital stay (days)	4	6	2	4	.
Number of deaths*	4	3	1	4	.
Standard death rate (per 100,000)*	20	33	9	61	.

\*Mortality data were provided by Division of Biostatistics, Office of Public Health Statistics and Information Systems, DHEC us codes.

#### For more information about

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[skelly@ors.state.sc.us](mailto:skelly@ors.state.sc.us)





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5,902,800
366
9

State
Total
5.13
30,831
734
68
969,122,700
5
2,754
66
63
10,617,900
9,723
246

State
Total
2.38
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351
73
279,819,700
6
2,732
67
73
6,322,600
2,816
73

State
Total
14,524
351
58
198,700,700
5
37,517
914
33
30,607,600
1,891
48

State
Total
8.33
8,652
207
53
127,167,500
6
9,316
224
53
8,261,100
1,114
28

State
Total
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591
58
605,119,300
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8,320
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State
Total
2,113
51
68
80,248,200
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807
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State
Total
1,465
35
63
21,213,600
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630
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State
Total
222
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48
3,668,300
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70,474,400
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